Linac RF Ov	verhead Budget								
Mechanism			desctiption	<u> </u>	Overhead need	ded (%) for max	kimum loaded cavit	y (383 kW	beam powe
cavity	Lorentz force detunin	~400 Hz		for 100 Hz	8.4%	for detuned	I cavity		
	microphonics		+/- 100 Hz	+/- 100 Hz (6 sigma)		12.0%	Qex ref's a	Qex ref's are used	
	frequency setting error (control)		10 Hz		for 300 Hz	18.3%	Qex=7.3e5	Qex=7.3e5, 7e5 (med, high	
	Tunner resolution and backlash		60 Hz		for 400 Hz	27.2%	ie, 7 % bud	ie, 7 % budget included	
	mismatching with fundamental power coupler		ler Qex ref +/-	20 %	for Qref	7.0%			
					for Qref +20 %	2.9%			
					for Qref -20 %	14.4%			
Rf part	Transmission loss		12 W/ft			2.0%			
	RF control error (incl	+/-0.5 degi	ee, +/-0.5 %		1.0%				
	others (circulator atte	gin)			5 % (?)				
Missing cavity	missing cavity retuning	ng				1.5%			
Beam	energy jitter					<1 %			
	phase jitter					<1 %			
Total						31~37 %??			
th:		Aller (reserv) OF NAVI	(h: ab) a a d l	07 4 4:-					
	get is based on 27.5 M <sup>3</sup> is related with Lorentz								
	d is sensitive to the Qe				dolto f				

